

Remarks

Applicant cancelled claims 1, 3, 4, 9, 12-17, amended claims 6, 2 and added new claims 18, 19. A claims sheet is attached.

Claim 6 (now independent) substantially includes the subject matter of canceled claim 1, while dependent claim 2 was made dependent on claim 6. New dependent claims 18, 19 add subject matter essentially from canceled claims 12, 13.

Thus, claims 6, 7, 8, 2, 18 and 19 remain in the application.

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Applicant respectfully disagrees with the Examiner's rejections of previous claim 1-4, 9, 12-17.

Nevertheless, to facilitate allowance, Applicant amended, added and cancelled various claims as above described. Applicant believes claims 6, 7, 8, 2, 18 and 19 are allowable. Claim 6 (as amended) is neither taught nor suggested by Lee or Ma, either singly or in combination.

Entry of this amendment, reconsideration and allowance of claims 6-8, 2, 18, 19 are solicited.

Respectively submitted,

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Claims

What is claimed is:

1. 1. (Canceled)
- 1 2. 2. (Currently amended) The switch arrangement as claimed in claim †, 6 wherein
2 said MEMS switch includes a movable part having said mechanical resonant
3 frequency.
- 1 3. 3. (Canceled)
- 1 4. 4. (Canceled)
- 1 5. 5. (Previously Canceled)

1 6. (Currently Amended) ~~The switch arrangement as claimed in claim 1, A switch~~
2 arrangement, comprising a MEMS switch connected to a voltage supply
3 system, said MEMS switch having a mechanical resonant frequency, and said
4 voltage supply system having a capability for supplying a voltage with a
5 frequency corresponding to said mechanical resonant frequency, wherein said
6 MEMS switch further comprises pairs of electrodes, and wherein said voltage
7 supply system comprises:

8 a voltage supply having an input and outputs, said outputs being
9 connected to a first pair of said electrodes;

10 a logic gate having at least one input and an output, said output
11 of said logic gate being connected to said input of said
12 voltage supply;

13 a first comparator having an input and an output, said output
14 of said first comparator being connected to said at
15 least one input of said logic gate;

16

17 a differentiator having an input and an output, said output of
18 said differentiator being connected to said input of
19 said first comparator, and

20 a capacitor detector having inputs and at least one output,
21 said at least one output of said capacitor detector being connected to
22 said input of said differentiator, said inputs of said capacitor detector
23 being connected to a second pair of said electrodes.

24

1 7. (Original) The switch arrangement as claimed in claim 6, wherein said
2 capacitor detector has a second output, said logic gate has a second input, and
3 wherein said voltage supply system further comprises a second comparator
4 having an input and an output, said output of said second comparator
5 being connected to said second input of said logic gate, and said input
6 of said second comparator being connected to said second output of
7 said capacitor detector.

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1 8. (Original) The switch arrangement as claimed in claim 6, wherein said logic
2 gate is an OR gate.

1 9. (Canceled)

1 10. (Previously canceled)

1 11. (Previously canceled)

1 12. Claims 12-17 (Canceled)

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18. (New): The switch arrangement as claimed in claim 6, wherein said MEMS
switch is of a cantilever type.

19. (New): The switch arrangement as claimed in claim 6, wherein said MEMS
switch is of a bridge type.